

File 348:EUROPEAN PATENTS 1978-2006/ 200631

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File 349:PCT FULLTEXT 1979-2006/UB=20060803,UT=20060727

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Set	Items	Description
S1	1032374	COMPAR??? ? OR COMPARAT? OR COMPARISON? ? OR MATCH??? ? OR MISMATCH? OR NONCOINCIDEN? OR RECONCIL? OR NONCORRESPOND? OR - INCONSISTEN?
S2	544218	CONSISTEN??? ? OR (NON OR UN)()CORRESPOND? OR UNCONSISTEN? OR CONTRAST? OR ACCORD?? OR ACCORD OR DISAGREE? OR AGREE? OR - DISCORD?
S3	684402	INTERSECT? OR COINCID? OR CO()INCIDEN? OR EQUIVALEN?
S4	303445	EVALUAT?
S5	1249859	CONTENT? ? OR ECONTENT? ? OR TEXT OR TEXTDATA OR TEXTUAL OR TEXTFILE? OR DATAFLOW? OR MESSAGE? ? OR OBJECT? ? OR FILE OR FILES
S6	803165	PACKET? ? OR RECORD? ? OR ARTICLE? OR DATAFILE? OR DATASET? OR TEXTMESSAGE? OR COMPUTERFILE? OR DOCUMENT? ?
S7	364260	(S5:S6 OR DATA)(5N)(TRANSMIT? OR TRANSMIS? OR SENT OR SEND- ??? ? OR RECEIV? OR XFER? OR TRANSFER? OR EXCHANG? OR FEED??? ? OR FED)
S8	162571	(S5:S6 OR DATA)(5N)(UPLOAD? OR DOWNLOAD? OR LOAD??? ? OR SHIPP??? ? OR SHIP????? ? OR STREAM? OR DISPATCH? OR RECEIPT? - OR CONVEY?)
S9	319524	(S5:S6 OR DATA)(5N)(RECEIV??? ? OR TRANSFERR? OR TRANSFER- ?? ? OR DELIVER? OR MIGRAT? OR DISTRIBUT? OR IMPORT?? ? OR IMPORTING)
S10	52458	(S5:S6 OR DATA)(5N)(IMPORTATION? OR EXPORT? OR ACQUISIT? OR ACQUIR?)
S11	829122	CACHE? ? OR CACHING OR STORE? ? OR STORING OR STORAGE OR S- UBCACH? OR MICROCACH? OR MEMOR? OR ARCHIV? OR PRESTOR?
S12	590171	ORIGINAL
S13	384064	RISK? ? OR SECURITY OR IDS OR INTRUS? OR INTRUD? OR ATTACK? OR DOS OR (DENY? OR DENI???) (1N)SERVICE? OR SPOOF?
S14	175936	PROBE? ? OR PROBING
S15	215783	HIJACK? OR HIGHJACK? OR (HI OR HIGH)()JACK??? ? OR COUNTER- FEIT? OR COMPROMIS? OR FLOOD? OR EXPLOIT? OR GHOST? OR FORGER? OR CORRUPT?
S16	352507	SPAM? ? OR SPAMM? OR THREAT? OR HOSTIL? OR VULNERAB? OR HAC- CK? OR CRACK? OR UNAUTHORI? OR CYBERATTACK? OR TROJAN OR INFI- LT? OR PENETRAT?
S17	3984	MALICIOUS?
S18	148361	S7:S10(10N)S11:S12
S19	209899	S1:S4(5N)(DATA OR S5:S6)
S20	11575	S18(25N)S19
S21	491	S20(25N)S13:S17
S22	8446	IC='H04L-009'
S23	36	S21 AND S22
S24	17	S23 AND AC=US/PR AND AY=(1963:2001)/PR
S25	17	S23 AND AC=US AND AY=1963:2001
S26	17	S23 AND AC=US AND AY=(1963:2001)/PR
S27	12	S23 AND PY=1963:2000
S28	20	S24:S27
S29	16846	S19(5N)(MODIFY? OR MODIFIE? OR MODIFICAT? OR CHANG??? ? OR MANIPULAT? OR VARIAT? OR DEVIAT? OR DEVIANT? OR DIFFEREN? OR - DIFFER??? ?)
S30	657	S19(5N)(DIVERG? OR ALTER?? ? OR ALTERR? OR ALTERING OR ALT- ERATION? ?)
S31	758	S19(5N)(SPOOF? OR HACK? OR CRACK? OR TAMPER? OR VANDAL? OR FALSIF? OR ADULTERAT? OR MEDDL? OR IRREGULAR? OR CORRUPT?)
S32	3351	S19(5N)S13:S17
S33	670	S29:S32(25N)S18
S34	25	S33 AND S22
S35	18	S34 NOT S28

S36 7 S35 AND AC=US/PR AND AY=(1963:2001)/PR
S37 7 S35 AND AC=US AND AY=1963:2001
S38 7 S35 AND AC=US AND AY=(1963:2001)/PR
S39 6 S35 AND PY=1963:2000
S40 10 S36:S39
S41 1802 IC='H04K'
S42 6 S41 AND (S21 OR S33)
S43 4 S42 NOT (S40 OR S28)
?

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

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File 350:Derwent WPIX 1963-2006/UD=200650

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Set	Items	Description
S1	1290813	COMPAR??? ? OR COMPARAT? OR COMPARISON? ? OR MATCH??? ? OR MISMATCH? OR NONCOINCIDEN? OR RECONCIL? OR NONCORRESPOND? OR - INCONSISTEN?
S2	370848	CONSISTEN??? ? OR (NON OR UN)()CORRESPOND? OR UNCONSISTEN? OR CONTRAST? OR ACCORD?? OR ACCORD OR DISAGREE? OR AGREE? OR - DISCORD?
S3	497776	INTERSECT? OR COINCID? OR CO()INCIDEN? OR EQUIVALEN?
S4	202375	EVALUAT?
S5	2422694	CONTENT? ? OR ECONTENT? ? OR TEXT OR TEXTDATA OR TEXTUAL OR TEXTFILE? OR DATAFLOW? OR MESSAGE? ? OR OBJECT? ? OR FILE OR FILES
S6	1026267	PACKET? ? OR RECORD? ? OR ARTICLE? OR DATAFILE? OR DATASET? OR TEXTMESSAGE? OR COMPUTERFILE? OR DOCUMENT? ?
S7	835485	(S5:S6 OR DATA)(5N)(TRANSMIT? OR TRANSMIS? OR SENT OR SEND- ??? ? OR RECEIV? OR XFER? OR TRANSFER? OR EXCHANG? OR FEED??? ? OR FED)
S8	148998	(S5:S6 OR DATA)(5N)(UPLOAD? OR DOWNLOAD? OR LOAD??? ? OR SHIPP??? ? OR SHIP????? ? OR STREAM? OR DISPATCH? OR RECEIPT? - OR CONVEY?)
S9	567621	(S5:S6 OR DATA)(5N)(RECEIV??? ? OR TRANSFERR? OR TRANSFER- ?? ? OR DELIVER? OR MIGRAT? OR DISTRIBUT? OR IMPORT?? ? OR IMPORTING)
S10	58183	(S5:S6 OR DATA)(5N)(IMPORTATION? OR EXPORT? OR ACQUISIT? OR ACQUIR?)
S11	2685197	CACHE? ? OR CACHING OR STORE? ? OR STORING OR STORAGE OR S- UBCACH? OR MICROCACH? OR MEMOR? OR ARCHIV? OR PRESTOR?
S12	275294	ORIGINAL
S13	283853	RISK? ? OR SECURITY OR IDS OR INTRUS? OR INTRUD? OR ATTACK? OR DOS OR (DENY? OR DENI??? ?)(1N)SERVICE? OR SPOOF?
S14	170911	PROBE? ? OR PROBING
S15	75418	HIJACK? OR HIGHJACK? OR (HI OR HIGH)()JACK??? ? OR COUNTER- FEIT? OR COMPROMIS? OR FLOOD? OR EXPLOIT? OR GHOST? OR FORGER? OR CORRUPT?
S16	515971	SPAM? ? OR SPAMM? OR THREAT? OR HOSTIL? OR VULNERAB? OR HA- CK? OR CRACK? OR UNAUTHORI? OR CYBERATTACK? OR TROJAN OR INFI- LT? OR PENETRAT?
S17	1631	MALICIOUS?
S18	230702	S7:S10(10N)S11:S12
S19	184371	S1:S4(5N)(DATA OR S5:S6)
S20	9570	S19(5N)(MODIFY? OR MODIFIE? OR MODIFICAT? OR CHANG??? ? OR MANIPULAT? OR VARIAT? OR DEVIAT? OR DEVIANT? OR DIFFEREN? OR - DIFFER??? ?)
S21	365	S19(5N)(DIVERG? OR ALTER?? ? OR ALTERR? OR ALTERING OR ALT- ERATION? ??)
S22	238	S19(5N)(SPOOF? OR HACK? OR CRACK? OR TAMPER? OR VANDAL? OR FALSIF? OR ADULTERAT? OR MEDDL? OR IRREGULAR? OR FORG??? ?)
S23	1464	S19(5N)S13:S17
S24	21517	S18 AND S19
S25	1723	S24 AND S13:S17
S26	43893	IC='H04L-009'
S27	11495	IC='H04K'
S28	2746	MC='T01-J11A1'
S29	6354	MC='T01-N02B2B'
S30	21113	MC='W01-A06A'
S31	327	S25 AND S26:S30
S32	53	S31 AND S20:S23
S33	1284	S20:S23 AND S18
S34	65	S33 AND S26:S27
S35	68	S32 OR S34

S36 27 S35 AND AC=US/PR AND AY=(1963:2001)/PR
S37 32 S35 AND AC=US AND AY=1963:2001
S38 32 S35 AND AC=US AND AY=(1963:2001)/PR
S39 39 S35 AND PY=1963:2001
S40 43 S36:S39
?

40/69,K/4 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0014411981 - Drawing available

WPI ACC NO: 2004-601834/

XRPX Acc No: N2004-475829

Computer readable medium storing instructions for comparing communication stream data in retrieved cache table entry with stream data of network packet, to apply security measures to packet

Patent Assignee: MICROSOFT CORP (MICKT)

Inventor: YE C

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 6772348	B1	20040803	US 2000560038	A	20000427	200458 B

Priority Applications (no., kind, date): US 2000560038 A 20000427

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6772348	B1	EN	13	6	

Alerting Abstract US B1

NOVELTY - An index is derived from a communication stream data with source internet protocol (IP), destination IP addresses, etc., of a network packet. An entry with a communication stream and security association data, related to the index, is retrieved from a cache table. The stream data of the entry and that of packet are compared, to apply security measures to packet based on security data in entry, when a match is found.

DESCRIPTION - An INDEPENDENT CLAIM is also included for method of retrieving security data.

USE - Computer readable medium storing instructions for retrieving security data such as security association (SA) data of internet protocol security (IPSec) for protecting network communications e.g. for internet, intranet, local area network (LAN), wide area network (WAN) in office.

ADVANTAGE - The security data needed for secure the delivery of packets are retrieved quickly and reliably.

DESCRIPTION OF DRAWINGS - DESCRIPTION OF DRAWING - The figure shows a flowchart explaining the process of retrieving security data for communication packet using the cache table.

Title Terms/Index Terms/Additional Words: COMPUTER; READ; MEDIUM; STORAGE; INSTRUCTION; COMPARE; COMMUNICATE; STREAM; DATA; RETRIEVAL; CACHE; TABLE; ENTER; NETWORK; PACKET; APPLY; SECURE; MEASURE

Class Codes

International Classification (Main): G06F-011/30

(Additional/Secondary): G06F-012/14, H04L-009/32

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-H03A; T01-N02A1; T01-N02B1A; T01-S03; W01-A03B; W01-A05B; W01-A06F2A

Computer readable medium storing instructions for comparing communication stream data in retrieved cache table entry with stream data of network packet, to apply security measures to packet

Original Titles:

Method and system for retrieving security information for secured transmission of network communication streams

File 696:DIALOG Telecom. Newsletters 1995-2006/Aug 07
 (c) 2006 Dialog
 File 15:ABI/Inform(R) 1971-2006/Aug 08
 (c) 2006 ProQuest Info&Learning
 File 98:General Sci Abs 1984-2005/Jan
 (c) 2006 The HW Wilson Co.
 File 484:Periodical Abs Plustext 1986-2006/Aug w1
 (c) 2006 ProQuest
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 613:PR Newswire 1999-2006/Aug 08
 (c) 2006 PR Newswire Association Inc
 File 635:Business Dateline(R) 1985-2006/Aug 08
 (c) 2006 ProQuest Info&Learning
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 610:Business Wire 1999-2006/Aug 08
 (c) 2006 Business Wire.
 File 369:New Scientist 1994-2006/Jul w2
 (c) 2006 Reed Business Information Ltd.
 File 370:Science 1996-1999/Jul w3
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 (c) 2006 The Gale Group
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 (c) 2006 The Gale group
 File 148:Gale Group Trade & Industry DB 1976-2006/Aug 07
 (c) 2006 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2006/Aug 07
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 (c) 2006 CMPI Media, LLC
 File 674:Computer News Fulltext 1989-2006/Jul w5
 (c) 2006 IDG Communications

Set	Items	Description
S1	8139889	COMPAR??? ? OR COMPARAT? OR COMPARISON? ? OR MATCH??? ? OR MISMATCH? OR NONCOINCIDEN? OR RECONCIL? OR NONCORRESPOND? OR - INCONSISTEN?
S2	11438164	CONSISTEN??? ? OR (NON OR UN)()CORRESPOND? OR UNCONSISTEN? OR CONTRAST? OR ACCORD?? OR ACCORD OR DISAGREE? OR AGREE? OR - DISCORD?
S3	2365707	INTERSECT? OR COINCID? OR CO()INCIDEN? OR EQUIVALEN?
S4	3483400	EVALUAT?
S5	8635857	CONTENT? ? OR ECONTENT? ? OR TEXT OR TEXTDATA OR TEXTUAL OR TEXTFILE? OR DATAFLOW? OR MESSAGE? ? OR OBJECT? ? OR FILE OR FILES
S6	14315745	PACKET? ? OR RECORD? ? OR ARTICLE? OR DATAFILE? OR DATASET? OR TEXTMESSAGE? OR COMPUTERFILE? OR DOCUMENT? ?
S7	2143245	(S5:S6 OR DATA)(5N)(TRANSMIT? OR TRANSMIS? OR SENT OR SEND- ??? ? OR RECEIV? OR XFER? OR TRANSFER? OR EXCHANG? OR FEED??? ? OR FED)

S8 878778 (S5:S6 OR DATA)(5N)(UPLOAD? OR DOWNLOAD? OR LOAD??? ? OR S-
 HIPP??? ? OR SHIP????? ? OR STREAM? OR DISPATCH? OR RECEIPT? -
 OR CONVEY?)
 S9 2310188 (S5:S6 OR DATA)(5N)(RECEIV??? ? OR TRANSFERR? OR TRANSFER?-
 ?? ? OR DELIVER? OR MIGRAT? OR DISTRIBUT? OR IMPORT?? ? OR IM-
 PORTING)
 S10 475405 (S5:S6 OR DATA)(5N)(IMPORTATION? OR EXPORT? OR ACQUISIT? OR
 ACQUIR?)
 S11 8862526 CACHE? ? OR CACHING OR STORE? ? OR STORING OR STORAGE OR S-
 UBCACH? OR MICROCACH? OR MEMOR? OR ARCHIV? OR PRESTOR?
 S12 2353586 ORIGINAL
 S13 12083499 RISK? ? OR SECURITY OR IDS OR INTRUS? OR INTRUD? OR ATTACK?
 OR DOS OR (DENY? OR DENI???) (1N) SERVICE? OR SPOOF?
 S14 402211 PROBE? ? OR PROBING
 S15 2081805 HIJACK? OR HIGHJACK? OR (HI OR HIGH) JACK??? ? OR COUNTER-
 FEIT? OR COMPROMIS? OR FLOOD? OR EXPLOIT? OR GHOST? OR FORGER?
 OR CORRUPT?
 S16 4071190 SPAM? ? OR SPAMM? OR THREAT? OR HOSTIL? OR VULNERAB? OR HA-
 CK? OR CRACK? OR UNAUTHORI? OR CYBERATTACK? OR TROJAN OR INFI-
 LT? OR PENETRAT?
 S17 92108 MALICIOUS?
 S18 284123 S7:S10(10N)S11:S12
 S19 1001360 S1:S4(5N)(DATA OR S5:S6)
 S20 32694 S19(5N)(MODIFY? OR MODIFIE? OR MODIFICAT? OR CHANG??? ? OR
 MANIPULAT? OR VARIAT? OR DEVIAT? OR DEVIANT? OR DIFFEREN? OR -
 DIFFER??? ?)
 S21 904 S19(5N)(DIVERG? OR ALTER?? ? OR ALTERR? OR ALTERING OR ALT-
 ERATION? ?)
 S22 1416 S19(5N)(SPOOF? OR HACK? OR CRACK? OR TAMPER? OR VANDAL? OR
 FALSIF? OR ADULTERAT? OR MEDDL? OR IRREGULAR? OR FORG??? ?)
 S23 23870 S19(5N)S13:S17
 S24 6339 S18(S)S19
 S25 607 S24(S)S13:S17
 S26 103 S25(S)S20:S23
 S27 238 S20:S23(S)S18
 S28 161 S20:S23(15N)S18
 S29 40 S26/2002:2006
 S30 63 S26 NOT S29
 S31 39 RD (unique items)
 S32 78 S27/2002:2006
 S33 98 S27 NOT (S32 OR S26)
 S34 69 RD (unique items)

34/3, K/53 (Item 3 from file: 275)
 DIALOG(R)File 275:Gale Group Computer DB(TM)
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01955114 SUPPLIER NUMBER: 18449939 (USE FORMAT 7 OR 9 FOR FULL TEXT)
 Poking around under the hood: a programmer's view of Windows NT 4.0.
 (Microsoft's operating system) (includes related articles on fibers,
 version control and NT 4.0's performance) (Product Support)(Tutorial)

Pietrek, Matt
 Microsoft Systems Journal, v11, n8, p19(16)

August, 1996

DOCUMENT TYPE: Tutorial ISSN: 0889-9932 LANGUAGE: English
 RECORD TYPE: Fulltext; Abstract
 WORD COUNT: 11254 LINE COUNT: 00916

... as a message digest in the Crypto API. To verify that the message
 wasn't altered, the recipient can rehash the message and compare it
 to the message digest that was sent along with the data. How does the
 recipient know that the original data wasn't replaced by different data
 and a corresponding message digest? Public key encryption...?